

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	42	"5803914"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/08 18:18
S2	841	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:24
S3	395	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:24
S4	76	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:26
S5	71	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:31
S6	27	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:52
S7	48	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and tissue\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 14:52
S8	2	"20020131628"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/09 17:42

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S9	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:00
S10	1691	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:10
S11	1401	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:10
S12	883	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:11
S13	898	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:11
S14	69	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and cad	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:11

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S15	118	("20010012913" "20010029333" "20010031919" "20010036245" "20020016541" "20020031204" "20020032377" "20020035321" "20020042566" "20020070970" "20020077540" "20020077541" "20020082498" "20020087075" "20020095313" "20020127523" "20020167533" "20030000535" "20030018251" "20030038802" "20030069494" "20030078494" "20030095697" "20030114750" "20030187362" "20040049115" "20040049116" "20040153128" "20040176678" "20040176679" "20050043609" "4436684" "5072384" "5151856" "5235510" "5239591" "5273038" "5319551" "5360006" "5375156" "5433199" "5435310" "5450850" "5509084" "5533085" "5559901" "5570430" "5601084" "5633951" "5684398" "5687737" "5704791" "5734739" "5755577" "5757877" "5779634" "5791908" "5800177" "5800178" "5807256" "5817022" "5839440" "5889524" "5892515" "5902239" "5920660" "5923770" "5947899" "5954648" "5963211" "6024705" "6045512" "6047090" "6106466" "6185447" "6190320" "6201165" "6205349" "6205411" "6230048" "6241699" "6268730" "6298112" "6315735" "6346940" "6366684" "6373920" "6415048" "6421565" "6438403" "6442417" "6445183" "6447453" "6447454" "6454712" "6454776" "6468218" "6470070" "6473488" "6473634" "6482146" "6487432" "6493571" "6496560" "6510337" "6522324" "6526307" "6535623" "6545678" "6557558" "6559641" "6563941" "6573717" "6574304").PN. OR ("6587541" "6608916" "6608917" "6628743").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/19 22:15
S16	451	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:34

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S17	167040	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:35
S18	184	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 and reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:35
S19	12	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:47
S20	239	implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:47
S21	19	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:48
S22	22	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:58
S23	107	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 22:58
S24	1478	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:03

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S25	445	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:04
S26	83	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) same patient near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:22
S27	14	"6345200"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/19 23:34
S28	1	("5709711").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/19 23:35
S29	19	patient same specific same simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:35
S30	3	patient same specific same implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:41
S31	70	implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:41
S32	55	simulation same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 00:51
S33	101	simulat\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 01:28
S34	28	simulat\$4 and implant\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 01:29
S35	3920	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 14:23

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S36	385	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 14:24
S37	44	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon) and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/20 14:25
S38	5	("20020119177" "20030113301" "20030180266" "3855196" "6659995").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:40
S39	12	("20010033857" "20020182241" "5227979" "5680317" "5762125" "6013853" "6143293" "6192327" "6233499" "6306424" "6365149" "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:43
S40	1625	434/262-272.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:54
S41	480	434/262-272.ccls. and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:55
S42	58	434/262-272.ccls. and (cardiac or heart) and patient near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:55
S43	61	434/262-272.ccls. and (cardiac or heart) and patient\$2 near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 14:55
S44	26	("20010047251" "4918620" "5099846" "5155435" "5208768" "5297054" "5298115" "5487012" "5522402" "5552995" "5683243" "5704791" "5741215" "5754738" "5768134" "5771310" "5797849" "5824085" "5871018" "6038488" "6106301" "6112109" "6205411" "6315553" "6327491" "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/20 15:01
S45	13650	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:39

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S46	82459	(heart or cardiac) and (implant\$3 or (medical near (instrument\$3 or device\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:49
S47	13650	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:50
S48	62	S46 and S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 18:50
S49	1635	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:00
S50	13650	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:03
S51	1635	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:03
S52	11	S50 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/21 19:03
S53	0	paladin near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:42

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S54	168	paladin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:42
S55	4096	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:52
S56	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:52
S57	22	S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:53
S58	10127	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:53
S59	34	S56 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:54
S60	834	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:54
S61	122	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 12:55

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S62	219	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:03
S63	286	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:25
S64	742	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:25
S65	41	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:26
S66	30	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 14:27
S67	128	helix near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:42
S68	12	jarvick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:51
S69	1326	jarvik	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56

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S70	710	jarvik and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56
S71	10127	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56
S72	26	S69 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 15:56
S73	3460	(design\$3 or manufactur\$3) same (custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:05
S74	668	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 same specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:05
S75	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:07
S76	6	S74 and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:07
S77	356	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 near\$4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:08

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S78	117	623/1.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 16:33
S79	3363	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:16
S80	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:17
S81	27	S79 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:17
S82	1213	623/900-904.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:27
S83	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28
S84	2	S82 and S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28
S85	3363	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28

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S86	13	S82 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:28
S87	24	("4097935" "4436684" "4575805" "4822365" "4936862" "4976737" "5360446" "5365996" "5370692" "5432703" "5448489" "5452407" "5554190" "5687305" "5741215" "5765561" "5769092" "5798924" "5824085" "5824111" "6112109" "6254639" "6334853" "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/22 17:37
S88	27	S83 and S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:44
S89	55	("4286852" "4294544" "4508452" "4575805" "4616121" "4745469" "4837732" "4935635" "5011405" "5027281" "5028799" "5098426" "5131844" "5214686" "5238404" "5243665" "5347454" "5368478" "5395238" "5424836" "5431562" "5447432" "5454717" "5456600" "5464349" "5474448" "5513276" "5518397" "5533895" "5542842" "5604817" "5618176" "5715166" "5724435" "5742294" "5823778" "5848115" "5880961" "5886775" "5985495" "5988862" "5991437" "6088695" "6100862" "6100893" "6124934" "6139499" "6167151" "6201546" "6205716" "6211506" "6217334" "6227850" "6253164" "RE35816").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/22 17:47
S90	3921	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:55
S91	31	S83 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:55

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S92	207	implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 17:58
S93	782	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:01
S94	9	S83 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:02
S95	61142	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:08
S96	5741	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:09
S97	149	S95 and S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 18:09
S98	2	"20030023266"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 19:03
S99	6	"09428008"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 19:05

EAST Search History (Prior Art)

S10 0	4	"10094730"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/22 19:07
S10 1	35799	378/1-210.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:16
S10 2	1409	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:17
S10 3	2	S101 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:17
S10 4	13	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:18
S10 5	0	S101 and S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:18
S10 6	21385	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:18
S10 7	200	S101 and S106	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:19

EAST Search History (Prior Art)

S108	8155	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:19
S109	66	S101 and S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 12:20
S110	2	"09828504"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 14:39
S111	2	"20020007294"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/23 14:43
S112	2	"20070150052"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 11:37
S113	44	albert near4 santilli	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 11:38
S114	37	"5326371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 11:51
S115	393	prosthetic\$2 same heart same valves and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:33

EAST Search History (Prior Art)

S11 6	548	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:34
S11 7	37	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and CAD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:35
S11 8	449	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 12:36
S11 9	251	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 13:54
S12 0	2606	james near4 anderson	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:33
S12 1	152	james near4 anderson and medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:33
S12 2	92	james near4 anderson and medical and patient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:34
S12 3	687	(design\$3 or manufactur\$3 or simulat\$3) same (heart or cardiac or ventric\$5 or atri\$5) same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 14:34
S12 4	12	("20010033857" "20020182241" "5227979" "5680317" "5762125" "6013853" "6143293" "6192327" "6233499" "6306424" "6365149" "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/10/24 15:14

EAST Search History (Prior Art)

S12 5	8	3di near2 gmbh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 15:41
S12 6	694033	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S12 7	140534	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S12 8	8155	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S12 9	1189	S127 and S128	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:15
S13 0	109916	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:17
S13 1	2536	S127 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:17
S13 2	2974	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3) same (cardiac or heart or atri\$3 or ventricle\$2 or aort\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:21

EAST Search History (Prior Art)

S13 3	237	S127 and S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/24 21:22
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EAST Search History (Prior Art)

S13 4	181	("20010007956" "20020082689" US-PGPUB; OR "20020095116" "20020123802" USPAT; "20020151970" "20020183838" USOCR "20020183841" "20030023300" "20030023303" "20030036795" "20030055496" "20030078654" "20030083538" "20030130730" "20030130731" "20030191527" "20030220684" "20030225453" "20030233022" "20040003819" "20040030381" "20040030382" "20040034320" "20040039442" "20040093060" "20040127979" "20040148019" "20040148020" "20040167620" "20040186563" "20040210304" "20040225354" "20040249413" "20040249452" "20040254600" "20040260322" "20040260390" "20050010285" "20050021056" "20050021057" "20050033446" "20050055082" "20050065550" "20050107810" "20050137686" "20050137687" "20050137688" "20050137689" "20050137690" "20050137691" "20050137695" "20050137696" "20050137699" "20050137701" "20050203549" "20050203614" "20050209674" "20050222488" "20050222489" "20050228422" "20050267574" "20050273160" "20060004442" "20060020327" "20060020332" "20060020333" "20060020334" "20060025750" "20060025787" "20060025854" "20060025855" "20060041306" "20060063970" "20060074485" "20060100699" "20060106449" "20060106450" "20060129025" "20060129051" "20060129235" "20060149135" "20060178700" "20060190030" "20060229717" "20060235512" "20060241656" "20060252984" "20060271172" "20070005133" "20070027536" "20070038293" "20070043435" "20070050022").PN. OR ("20070185566" "20080015687" "20080109073" "3416562" "3657744" "3671979" "3714671" "4035849" "4056854" "4183102" "4339831" "4592340" "4612011" "4662885" "4727873" "4787899" "4817600" "4892541" "4960424" "4994077" "5026383" "5032128" "5163897" "5163953" "5207695" "5360444" "5370685" "5370691" "5397351" "5411552" "5423851" "5443499" "5449385" "5500014" "5554185" "5649978" "5690570" "5840081" "5848964" "5855334" "5871527" "5877312" 	OFF	2008/10/25 09:21
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EAST Search History (Prior Art)

S13 5	140534	((((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 09:25
S13 6	14	S134 and S135	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 09:25
S13 7	2	"7333643"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 09:29
S13 8	44	"5151856"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 10:16
S13 9	2	("20020007294").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/25 18:22
S14 0	24	"5612885"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/26 09:29
S14 1	273	heart same valve\$2 near4 size\$2 and shape\$3 and (xray or MRI or CT or cardiogram\$3 or ultrasound\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/26 11:20
S14 2	33	"6893392"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/27 11:21

EAST Search History (Prior Art)

S14 3	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/28 02:23
S14 4	7862	("4" or four) near (d or dimension\$4) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 13:10
S14 5	71	("4" or four) near (d or dimension\$4) and heart and echocard\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 13:12
S14 6	71	("4" or four) near (d or dimension\$4) and echocard\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 14:14
S14 7	17125	("4" or four) near (d or dimension\$4) and card\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 14:17
S14 8	165110	("4" or four) near (d or dimension\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 14:18
S14 9	1877	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 14:18
S15 0	114	S148 and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/17 14:18

EAST Search History (Prior Art)

S15 1	55	"5803914"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 2	1023	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 3	498	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 4	94	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 5	86	heart and contrast and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 6	33	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and (divid\$3 or partition\$3 or section\$3) near5 image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 7	60	heart and ((contrast or color\$3) near (differ\$4 or compar\$4)) and (LV or (left near ventricle)) and endocardial and epicardial and image\$2 and myocardium and tissue\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S15 8	2	"20020131628"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S159	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S160	2036	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S161	1651	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S162	1019	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S163	1040	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S164	83	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and cad	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S16 5	118	("20010012913" "20010029333" "20010031919" "20010036245" "20020016541" "20020031204" "20020032377" "20020035321" "20020042566" "20020070970" "20020077540" "20020077541" "20020082498" "20020087075" "20020095313" "20020127523" "20020167533" "20030000535" "20030018251" "20030038802" "20030069494" "20030078494" "20030095697" "20030114750" "20030187362" "20040049115" "20040049116" "20040153128" "20040176678" "20040176679" "20050043609" "4436684" "5072384" "5151856" "5235510" "5239591" "5273038" "5319551" "5360006" "5375156" "5433199" "5435310" "5450850" "5509084" "5533085" "5559901" "5570430" "5601084" "5633951" "5684398" "5687737" "5704791" "5734739" "5755577" "5757877" "5779634" "5791908" "5800177" "5800178" "5807256" "5817022" "5839440" "5889524" "5892515" "5902239" "5920660" "5923770" "5947899" "5954648" "5963211" "6024705" "6045512" "6047090" "6106466" "6185447" "6190320" "6201165" "6205349" "6205411" "6230048" "6241699" "6268730" "6298112" "6315735" "6346940" "6366684" "6373920" "6415048" "6421565" "6438403" "6442417" "6445183" "6447453" "6447454" "6454712" "6454776" "6468218" "6470070" "6473488" "6473634" "6482146" "6487432" "6493571" "6496560" "6510337" "6522324" "6526307" "6535623" "6545678" "6557558" "6559641" "6563941" "6573717" "6574304").PN. OR ("6587541" "6608916" "6608917" "6628743").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S16 6	516	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S16 7	195555	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S16 8	202	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3 and balloon\$2 and image\$2 and reconstruct\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S16 9	19	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 0	304	implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 1	22	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 2	43	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant near4 (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 3	142	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 implant same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 4	1795	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S17 5	544	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 6	106	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) same patient near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 7	15	"6345200"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S17 8	1	("5709711").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S17 9	31	patient same specific same simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 0	3	patient same specific same implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 1	91	implant\$2 and simulation same heart same model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 2	61	simulation same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 3	117	simulat\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 4	54	simulat\$4 and implant\$4 same heart near model\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 5	4580	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S18 6	451	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S18 7	52	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) same(implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon) and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S18 8	5	("20020119177" "20030113301" "20030180266" "3855196" "6659995").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S18 9	12	("20010033857" "20020182241" "5227979" "5680317" "5762125" "6013853" "6143293" "6192327" "6233499" "6306424" "6365149" "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S19 0	1809	434/262-272.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S19 1	543	434/262-272.ccls. and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S19 2	68	434/262-272.ccls. and (cardiac or heart) and patient near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S19 3	73	434/262-272.ccls. and (cardiac or heart) and patient\$2 near specific	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S19 4	26	("20010047251" "4918620" "5099846" "5155435" "5208768" "5297054" "5298115" "5487012" "5522402" "5552995" "5683243" "5704791" "5741215" "5754738" "5768134" "5771310" "5797849" "5824085" "5871018" "6038488" "6106301" "6112109" "6205411" "6315553" "6327491" "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S19 5	17000	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S19 6	98857	(heart or cardiac) and (implant\$3 or (medical near (instrument\$3 or device\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S19 7	17000	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S19 8	93	S196 and S197	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S19 9	2177	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 0	17000	703/1-28.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 1	2177	customiz\$5 same implant\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 2	16	S200 and S201	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 3	0	paladin near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

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S20 4	204	paladin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 5	5262	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 6	7808	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 7	39	S205 and S206	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 8	12160	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S20 9	57	S206 and S208	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 0	1069	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 1	145	(custom or customiz\$5) near (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S21 2	284	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and cardiac	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 3	378	(custom or customiz\$5) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 4	923	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 5	51	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation and (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 6	33	(custom or customiz\$5 or reconstruct\$3) same implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 7	151	helix near medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 8	12	jarvick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S21 9	1465	jarvik	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S22 0	793	jarvik and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 1	12160	(custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 2	35	S219 and S221	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 3	4062	(design\$3 or manufactur\$3) same (custom or customiz\$5) same (implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 4	848	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 same specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 5	7808	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 6	13	S224 and S225	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 7	471	(design\$3 or manufactur\$3) same (custom or customiz\$5) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S22 8	162	623/1.26.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S22 9	4206	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 0	7808	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 1	52	S229 and S230	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 2	1241	623/900-904.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 3	7808	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 4	3	S232 and S233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 5	4206	(design\$3 or manufactur\$3) same patient\$2 near4 specific\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S23 6	14	S232 and S235	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 7	24	("4097935" "4436684" "4575805" "4822365" "4936862" "4976737" "5360446" "5365996" "5370692" "5432703" "5448489" "5452407" "5554190" "5687305" "5741215" "5765561" "5769092" "5798924" "5824085" "5824111" "6112109" "6254639" "6334853" "6463351").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S23 8	52	S233 and S235	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S23 9	55	("4286852" "4294544" "4508452" "4575805" "4616121" "4745469" "4837732" "4935635" "5011405" "5027281" "5028799" "5098426" "5131844" "5214686" "5238404" "5243665" "5347454" "5368478" "5395238" "5424836" "5431562" "5447432" "5454717" "5456600" "5464349" "5474448" "5513276" "5518397" "5533895" "5542842" "5604817" "5618176" "5715166" "5724435" "5742294" "5823778" "5848115" "5880961" "5886775" "5985495" "5988862" "5991437" "6088695" "6100862" "6100893" "6124934" "6139499" "6167151" "6201546" "6205716" "6211506" "6217334" "6227850" "6253164" "RE35816").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19
S24 0	4580	computer\$5 near aid\$3 near4 (design\$4 or reconstruct\$4 or construct\$3) and (implant\$3 or patch\$3 or annuloplast\$4 or valve\$2 or shaper\$3 or balloon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 1	44	S233 and S240	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S24 2	266	implant\$3 same ((medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 3	925	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) and simulation same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 4	13	S233 and S243	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 5	72025	(implant\$3 or (medical near (device\$2 or instrument\$2)) or valve\$2 or stent\$2 or patch\$3 or baloon\$3) same (cardiac or heart or ventricle\$2 or atria or atrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 6	7808	382/128-132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 7	252	S245 and S246	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 8	2	"20030023266"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S24 9	6	"09428008"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S25 0	6	"10094730"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 1	38625	378/1-210.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 2	1651	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring and heart\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 3	5	S251 and S252	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 4	19	implant near image\$2 and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 5	0	S251 and S254	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 6	24613	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S25 7	265	S251 and S256	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S258	9618	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S259	97	S251 and S258	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S260	2	"09828504"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S261	2	"20020007294"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S262	2	"20070150052"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S263	47	albert near4 santilli	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S264	38	"5326371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S265	485	prosthetic\$2 same heart same valves and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S26 6	674	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S26 7	50	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and CAD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S26 8	552	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S26 9	329	prosthetic\$2 same heart same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 0	2729	james near4 anderson	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 1	187	james near4 anderson and medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 2	123	james near4 anderson and medical and patient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 3	889	(design\$3 or manufactur\$3 or simulat\$3) same (heart or cardiac or ventric\$5 or atri\$5) same (valve\$2 or implant\$3) and (xray or MRI or CT) and design\$3 and imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 4	12	("20010033857" "20020182241" "5227979" "5680317" "5762125" "6013853" "6143293" "6192327" "6233499" "6306424" "6365149" "6534084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S27 5	8	3di near2 gmbh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 6	751342	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 7	164556	((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 8	9618	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3) same (image\$2 or pattern\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S27 9	1499	S277 and S278	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 0	119388	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 1	3157	S277 and S280	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 2	3428	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3 or manufactur\$3) near (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or valve\$3) same (cardiac or heart or atri\$3 or ventricle\$2 or aort\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S28 3	325	S277 and S282	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
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EAST Search History (Prior Art)

S28 4	181	("20010007956" "20020082689" US-PGPUB; OR "20020095116" "20020123802" USPAT; "20020151970" "20020183838" USOCR "20020183841" "20030023300" "20030023303" "20030036795" "20030055496" "20030078654" "20030083538" "20030130730" "20030130731" "20030191527" "20030220684" "20030225453" "20030233022" "20040003819" "20040030381" "20040030382" "20040034320" "20040039442" "20040093060" "20040127979" "20040148019" "20040148020" "20040167620" "20040186563" "20040210304" "20040225354" "20040249413" "20040249452" "20040254600" "20040260322" "20040260390" "20050010285" "20050021056" "20050021057" "20050033446" "20050055082" "20050065550" "20050107810" "20050137686" "20050137687" "20050137688" "20050137689" "20050137690" "20050137691" "20050137695" "20050137696" "20050137699" "20050137701" "20050203549" "20050203614" "20050209674" "20050222488" "20050222489" "20050228422" "20050267574" "20050273160" "20060004442" "20060020327" "20060020332" "20060020333" "20060020334" "20060025750" "20060025787" "20060025854" "20060025855" "20060041306" "20060063970" "20060074485" "20060100699" "20060106449" "20060106450" "20060129025" "20060129051" "20060129235" "20060149135" "20060178700" "20060190030" "20060229717" "20060235512" "20060241656" "20060252984" "20060271172" "20070005133" "20070027536" "20070038293" "20070043435" "20070050022").PN. OR ("20070185566" "20080015687" "20080109073" "3416562" "3657744" "3671979" "3714671" "4035849" "4056854" "4183102" "4339831" "4592340" "4612011" "4662885" "4727873" "4787899" "4817600" "4892541" "4960424" "4994077" "5026383" "5032128" "5163897" "5163953" "5207695" "5360444" "5370685" "5370691" "5397351" "5411552" "5423851" "5443499" "5449385" "5500014" "5554185" "5649978" "5690570" "5840081" "5848964" "5855224" "5871527" "5877312" 	OFF	2010/03/20 23:19
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EAST Search History (Prior Art)

S28 5	164556	((((mri or (magnetic near resonance)) or (CT or (computed near tomograph\$4)))) and image\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 6	14	S284 and S285	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 7	5	"7333643"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 8	52	"5151856"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S28 9	2	("20020007294").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 0	26	"5612885"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 1	334	heart same valve\$2 near4 size\$2 and shape\$3 and (xray or MRI or CT or cardiogram\$3 or ultrasound\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 2	40	"6893392"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S29 3	1	"10800433"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 4	8564	("4" or four) near (d or dimension\$4) and heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 5	82	("4" or four) near (d or dimension\$4) and heart and echocard\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 6	82	("4" or four) near (d or dimension\$4) and echocard\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 7	18378	("4" or four) near (d or dimension\$4) and card\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 8	171395	("4" or four) near (d or dimension\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S29 9	2036	patch\$3 and sutur\$3 and valve\$2 and shap\$3 and ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19
S30 0	118	S298 and S299	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/20 23:19

EAST Search History (Prior Art)

S30 1	3904	(evaluat\$4 or assess\$4 or recogniz\$6 or verify\$3 or verification\$2) same (motion\$2 or movement\$3 or asynerg\$4 or regurgitation) same (heart\$2 or cardiac\$4 or mitral\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/22 11:09
S30 2	2028	(generat\$4 or creat\$4 or develop\$4 or graph\$4 or sketch\$3 or design\$3 or craft\$3 or reconstruct\$4 or construct\$3) near4 (implant\$3 or patch\$3 or annuloplasty or suture\$3 or balloon\$2 or shaper\$3 or guid\$3) same (image\$2 or pattern\$2) and (heart\$2 or cardiac\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/22 11:10
S30 3	61	S301 and S302	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/22 11:11
S30 4	114	gregory near murphy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/22 11:37

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Defa ult Oper ator	Plurals	Time Stamp
S30 5	5	(cardiac and heart and pattern and image\$2 and tissue and (motion or movement\$2) and (asynergy or viability or regurgitation)). clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/03/22 13:12